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Quality Engineering Test Report

SERIES: SLW05A 5W DC-DC SINGLE OUTPUT CONVERTER

SAMPLE:
A:SLW05A-05 +5V / 1000mA
B:SLW05A-09 +9V / 556mA
C:SLW05A-12 +12V / 417mA
D:SLW05A-15 +15V / 333mA

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 9~18VDC O/P:FULL LOAD	A:5.8~18VDC	P
2	LINE REGULATION	I/P: 9~18VDC SPEC: ±0.2% O/P: FULL LOAD	A:-0%~+0% B:-0%~+0% C:-0%~+0% D:-0%~+0%	P
3	LOAD REGULATION	I/P: 12VDC SPEC: ±1% O/P:MIN. TO FULL LOAD	A:-0.2%~+0% B:-0.1%~+0% C:-0.1%~+0% D:-0.1%~+0%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P: 9~18VDC SPEC: NONE O/P:MIN. TO FULL LOAD	A:-0.2%~+0% B:-0.1%~+0% C:-0.1%~+0% D:-0.1%~+0%	P
5	RIPPLE&NOISE	I/P: 12VDC SPEC: 100mV O/P:FULL LOAD	A:20mV B:20mV C:10mV D:10mV	P
6	DC INPUT CURRENT	I/P: 12VDC SPEC: NONE O/P:FULL LOAD	A:0.54A	P
7	OVER LOAD PROTECTION	I/P: 12VDC SPEC: NONE O/P:TESTING	A:179% B:183% C:195% D:212%	P
8	O/P VOLTAGE ACCURACY	I/P: 12VDC SPEC: ±2% O/P:MIN. LOAD	A:+0.4% B:+1.1% C:+1.1% D:+0.4%	P
9	SET UP TIME	I/P:12VDC SPEC: NONE O/P:FULL LOAD	A:1.8mS	P
10	HOLD UP TIME	I/P:12VDC SPEC: NONE O/P:FULL LOAD	A:0.23mS	P
11	EFFICIENCY	I/P: 12VDC SPEC: 73% O/P:FULL LOAD	A:77.1% B:79.5% C:79.4% D:80.7%	P
12	INSULATION RESISTANCE	SPEC:I/P--O/P 500VDC/100M Ohms MIN.	A:I/P--O/P>100M Ohms	P
13	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P-- O/P: 1000VDC/ 1 min (10mA CUT-OFF)	A:NO BREAK I/P--O/P :<0.02mA	P

NEXT

<table>
<tr><th>NO</th><th>TEST ITEM</th><th>TEST CONDITION / SPECIFICATION</th><th>RESULT</th><th>VERDICT</th></tr>
<tr><td>14</td><td>BURN-IN TEST</td><td>I/P:12VDC O/P:FULL LOAD
TA:25°C BURN-IN DURATION : 4 hrs</td><td>A:NO BREAK</td><td>P</td></tr>
<tr><td>15</td><td>TEMPERATURE RISE
TEST T rise OF PARTS</td><td>A:I/P :12VDC AFTER 4 hrs BURN-IN
O/P :FULL LOAD TA:25 °C
<table>
<tr><th>POSITION</th><th>SAMPLE</th><th>TEMP</th><th>T rise</th></tr>
<tr><td>CASE</td><td>SLW05A-05</td><td>44.2°C</td><td>19.2°C</td></tr>
</table></td><td></td><td>P</td></tr>
<tr><td>16</td><td>CONSTRUCTION
INSPECTION
(FOR QC INSPECTION
REFERENCE ONLY)</td><td colspan="2">A: 1. PACKING : 泡棉加紙盒包裝
2. MARKING : MODEL
3. MECHANICAL : FIVE-SIDED SHIELD METAL CASE
4. DIMENSIONS : WXHXD=31.8X12.2X20.3mm, PIN :1.0Øx8.3mm</td><td></td></tr>
</table>

DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
1998.08.15	SLW05A-05	PASS	T.K.CHENG	MAX LIN
1998.11.26	SLW05A-09 SLW05A-12 SLW05A-15	PASS	T.K.CHENG	MAX LIN

PREVIOUS